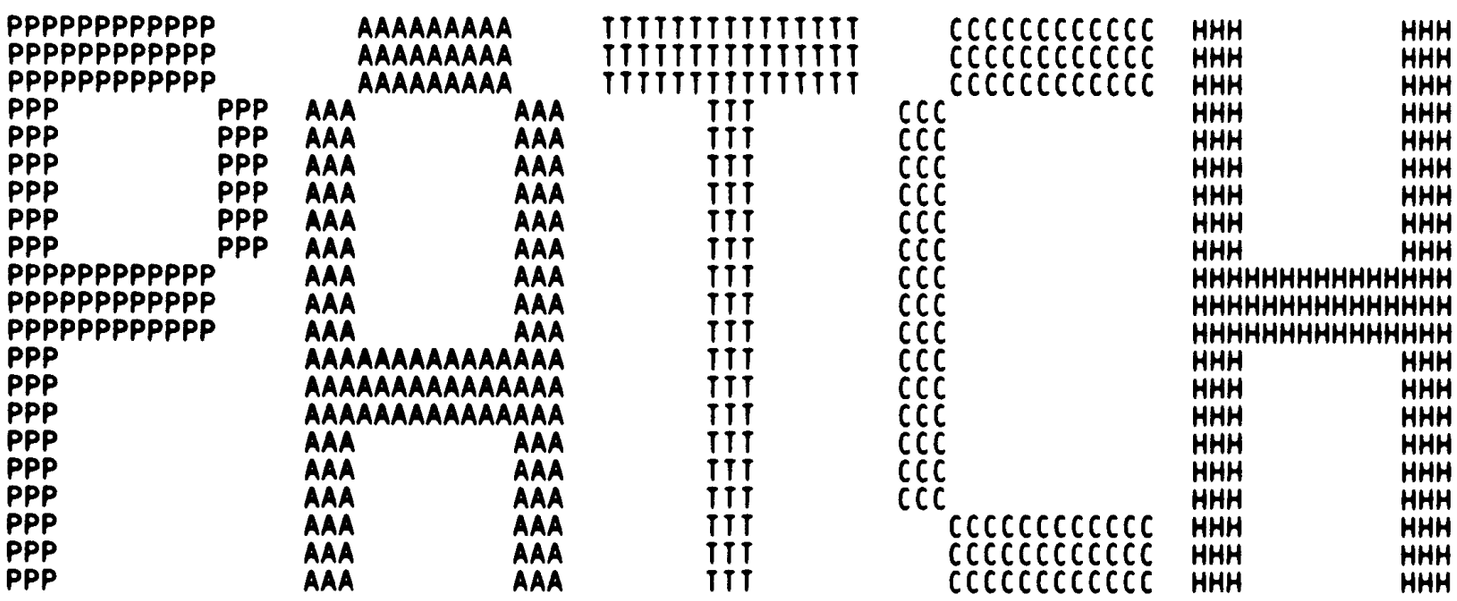

PPPPPPPPPPPP AAAAAAAAA TTTTTTTTTTTTTTT CCCCCCCCCCCC HHH HHH
PPP PPP AAA AAA TTT CCC HHH HHH
PPPPPPPPPPPP AAAAAAAAAAAAAAAA TTT CCC HHHHHHHHHHHHHHHH
PPP AAA AAA TTT CCC HHH HHH
PPP AAA AAA TTT CCCCCCCCCCCC HHH HHH

```
  SSSSSSSS  YY      YY  MM      MM  FFFFFFFFFF  MM      MM  TTTTTTTTTT
  SSSSSSSS  YY      YY  MM      MM  FFFFFFFFFF  MM      MM  TTTTTTTTTT
SS          YY      YY  MMMM  MMMM  FF          MMMM  MMMM      TT
SS          YY      YY  MMMM  MMMM  FF          MMMM  MMMM      TT
SS            YY  YY    MM  MM  MM  FF          MM  MM  MM      TT
SS            YY  YY    MM  MM  MM  FF          MM  MM  MM      TT
  SSSSSS        YY      MM      MM  FFFFFFFF    MM      MM      TT
  SSSSSS        YY      MM      MM  FFFFFFFF    MM      MM      TT
        SS      YY      MM      MM  FF          MM      MM      TT
        SS      YY      MM      MM  FF          MM      MM      TT
        SS      YY      MM      MM  FF          MM      MM      TT          ....
        SS      YY      MM      MM  FF          MM      MM      TT          ....
SSSSSSSS        YY      MM      MM  FF          MM      MM      TT          ....
SSSSSSSS        YY      MM      MM  FF          MM      MM      TT          ....

RRRRRRRR    EEEEEEEEEE    QQQQQQ
RRRRRRRR    EEEEEEEEEE    QQQQQQ
RR      RR  EE            QQ    QQ
RR      RR  EE            QQ    QQ
RR      RR  EE            QQ    QQ
RR      RR  EE            QQ    QQ
RRRRRRRR    EEEEEEEE      QQ    QQ
RRRRRRRR    EEEEEEEE      QQ    QQ
RR  RR      EE            QQ  QQ  QQ
RR  RR      EE            QQ  QQ  QQ
RR    RR    EE            QQ    QQ
RR    RR    EE            QQ    QQ
RR      RR  EEEEEEEEEE    QQQQ  QQ
RR      RR  EEEEEEEEEE    QQQQ  QQ
```

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Version:      'V04-000'
```


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```
++
MODULE: SYMFMT.REQ
FACILITY: LINKER
ABSTRACT: SYMBOL TABLE ENTRY FORMAT DEFINITION
HISTORY:
        AUTHOR: T.J. PORTER 21-FEB-77
        MODIFICATIONS:
NO.   DATE            PROGRAMMER      PURPOSE
---   ----            ----------      -------
--
```

```
!++
! FUNCTIONAL DESCRIPTION:
!
!       THIS IS A REQUIRED FILE WHICH DEFINES ALL THE
!       STRUCTURE REFERENCE MACROS FOR THE FIELDS
!       OF SYMBOL TABLE ENTRIES.
!--

GLOBAL LITERAL
        SYM$C_TBLSIZ = 128 : WEAK;              ! DEFINE SYMBOL TABLE SIZE
BYTEBLOCKFIELDS (SYM,                           ! BLOCK NAME IS 'SYM$'
                 L_VALUE,4,                     ! SYMBOL VALUE
                 L_PSCLST,4,                    ! THREAD FROM DEFINING P-SECTION
                                                ! NOTE: THE ABOVE TWO ENTRIES MUST
                                                ! ----   BE FIRST SINCE THEY ARE
                                                !       RE-USED AS FORWARD AND
                                                !       BACK POINTERS IN THE
                                                !       UNDEFINED SYMBOL LIST.
                 B_NAMLNG,1,                    ! SYMBOL STRING LENGTH
                 T_NAME,SYM$C_MAXLNG,           ! STRING
                 L_COLIST,4,                    ! COLLISION LIST POINTER
                 W_ENTMSK,2,                    ! ENTRY POINT MASK
                 W_FLAGS,2,                     ! FLAGS WORD
                 B_DATYP,1,                     ! DATA TYPE
                 B_LSTLNG,1 );                  ! LENGTH OF COLLISION LIST

! DEFINE EQUIVALENCING MACROS FOR FLINK AND BLINK OF THE UNDEFINED
!       SYMBOL LIST -- SEE ABOVE NOTE.
!
MACRO
        SYM$L_UDFLINK   = SYM$L_VALUE%, ! FORWARD LINK IS THE VALUE FIELD
        SYM$L_UDFBLINK  = SYM$L_PSCLST%;! BACKWARD LINK IS THE OWNING P-SECT THREAD
```

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